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INTERNATIONAL SEARCH REPORT

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| Applicant's or agent's file reference | FOR FURTHER | | see Form PCT/ISA/220 |
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| SJW/5727 WO | ACTION | | as, where applicable, item 5 below. |
| International application No. | International filing date (day/mont | h/year) | (Earliest) Priority Date (day/month/year) |
| PCT/EP2004/012856 | 12/11/2004 | | 13/11/2003 |
| Applicant | - | | |
| CERESTAR HOLDING B.V. | | | |
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| Basis of the report | | | |
| a. With regard to the language, the language in which it was filed, unl | international search was carried ou ess otherwise indicated under this | t on the bas tem. | sis of the international application in the |
| The international this Authority (Ru | | of a transl | ation of the international application furnished to |
| , , | | e disclosed | in the international application, see Box No. I. |
| 2. Certain claims were four | nd unsearchable (See Box II). | | |
| 3. Unity of invention is lac | king (see Box III). | | |
| 4. With regard to the title , | | | |
| X the text is approved as su | ubmitted by the applicant. | | |
| 1 = | shed by this Authority to read as foll | ows: | |
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| a. the figure of the drawings to be p | published with the abstract is Figure | No | |
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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/012856

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08B30/12 C08B30/16 C08B31/00 C08B30/18 B01J8/10
B01J8/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ IPC & 7 & C08B & B01J \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

| C. DOCUM | ENTS CONSIDERED TO BE RELEVANT | |
|------------|--|-----------------------|
| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| x (C | US 4 021 927 A (IDASZAK LEO R) 10 May 1977 (1977-05-10) column 3, line 3 - column 4, line 26 column 6, line 46 - column 8, line 41 column 9, lines 1-48; claims; figures; examples | 1-19 |
| X | EP 1 281 721 A (NAT STARCH CHEM INVEST) 5 February 2003 (2003-02-05) paragraph '0009! - paragraph '0020!; claims; examples | 1-19 |
| A 1) 3 | US 3 360 866 A (TAKASHI SHIRAI) 2 January 1968 (1968-01-02) column 1, lines 11-18 column 2, line 16 - column 3, line 26; claims; figures; examples | 1-19 |

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|---|--|--|--|--|
| Further documents are listed in the continuation of box C. | Patent family members are listed in annex. | | | |
| ° Special categories of cited documents : | 'T' later document published after the international filing date | | | |
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| 'P' document published prior to the international filing date but | in the art. | | | |
| later than the priority date claimed | *&* document member of the same patent family | | | |
| Date of the actual completion of the international search | Date of mailing of the international search report | | | |
| 3 February 2005 | 10/02/2005 | | | |
| Name and mailing address of the ISA | Authorized officer | | | |
| European Patent Office, P.B. 5818 Patentlaan 2 | | | | |
| NL – 2280 HV Rijswijk | | | | |
| Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Otegui Rebollo, J | | | |
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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/012856

| | tion) DOCUMENTS CONSIDERED TO BE RELEVANT | 15 |
|-----------|---|-----------------------|
| ategory ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| , D4 | GB 853 828 A (STALEY MFG CO A E) 9 November 1960 (1960-11-09) page 1, line 87 - page 2, line 105 page 6, lines 22-51,97-119; claims | 1-19 |
| 55 | NL 9 302 094 A (AVEBE COOP VERKOOP PROD) 3 July 1995 (1995-07-03) page 6, line 17 - page 9, line 16; claims; figure | 1-19 |
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/012856

| | tent document in search report | | Publication date | | Patent family member(s) | | Publication date |
|-----|-----------------------------------|-----------|---------------------|----------|----------------------------|-----|--------------------------|
| US | 4021927 | A | 10-05-1977 | US | 3967975 | Α | 06-07-1976 |
| | | | | AR | 218215 | | 30-05-1980 |
| | | | | BR | 7507801 | Α | 10-08-1976 |
| | | | | CA | 1069275 | A1 | 08-01-1980 |
| | | | | CH | 620839 | A5 | 31-12-1980 |
| | | | | DE | 2552881 | A1 | 02-06-1977 |
| | | | | DK | 528375 | A,B | 26-05-1976 |
| | | | | ES | 443132 | A1 | 16-09-1977 |
| | | | | FR | 2291788 | A1 | 18-06-1976 |
| | | | | ΙT | 1054911 | В | 30-11-1981 |
| | | | | JP | 1245138 | | 25-12-1984 |
| | | | | JP | 51077579 | | 05-07-1976 |
| | | | | JP | 59003200 | | 23-01-1984 |
| | | | _ | NL | 7513763 | | 28-05-1976 |
| | | | - i | SE | 416023 | | 24-11-1980 |
| | | | | SE | 7513173 | | 26-05-1976 |
| | | | | TR | 19134 | | 01-06-1978 |
| | | | | AR | 208418 | | 27-12-1976 |
| | | | | AT | 369667 | | 25-01-1983 |
| | | | | AT | | A | 15-06-1982 |
| | | | | AT | 369288 | | 27-12-1982 |
| | | | | AT | 896675 | | 15-05-1982 |
| | | | | AU | 8691975 | | 02-06-1977 |
| | | | | AU | 8693875 | | 02-06-1977 |
| | | | | BE | 835887 | | 25-05-1976 25-05-1976 |
| | | | | BE BR | 835888 7507802 | | 10-08-1976 |
| | | | | CA | 1069277 | | 08-01-1980 |
| | | | | CH | 613874 | | 31-10-1979 |
| | | | | DE | 2552891 | | 26-05-1976 |
| | | | | DK | 528275 | | 26-05-1976 |
| | | | | ES | 442913 | | 01-04-1977 |
| | | | | FI | 753304 | | 26-05-1976 |
| | | | | FR | 2291787 | | 18-06-1976 |
| | | | | GB | 1498206 | | 18-01-1978 |
| | | | | GB | 1482869 | | 17-08-1977 |
| | | | | HU | 171560 | | 28-02-1978 |
| | | | | HU | 1 7397 3 | | 28-10-1979 |
| | | | | ΙT | 1049867 | В | 10-02-1981 |
| | | | | JP | 51076169 | Α | 01-07-1976 |
| | | | | NL | 7513765 | | 28-05-1976 |
| | | | | SE | 408020 | | 14-05-1979 |
| | | | | SE | 7513172 | | 26-05-1976 |
| | | | | YU | 298775 | | 18-06-1982 |
| | | | | ZA | 7507357 | Α | 24-11-1976 |
| | 1281721 | ———— А | 05-02-2003 | US | 2003031775 | Δ1 | 13-02-2003 |
| E.F | 1201/21 | А | 05-02-2003 | US BR | 0203047 | | 27-05-2003 |
| | | | | CN | 1405186 | | 26-03-2003 |
| | | | | EP | 1281721 | | 05-02-2003 |
| | | | | JP | 2003128701 | | 08-05-2003 |
| US | 3360866 | Α | 02-01-1968 | JP | 48018178 | | 04-06-1973 |
| | 853828 | A | 09-11-1960 | BE | 569832 | | |
| uв | 333020 | ^ | 09 11 1900 | FR | 1209303 | | 01-03-1960 |
| | | | | | | | |
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